LEADING CHANGE

United States Joint Forces Command

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Outline

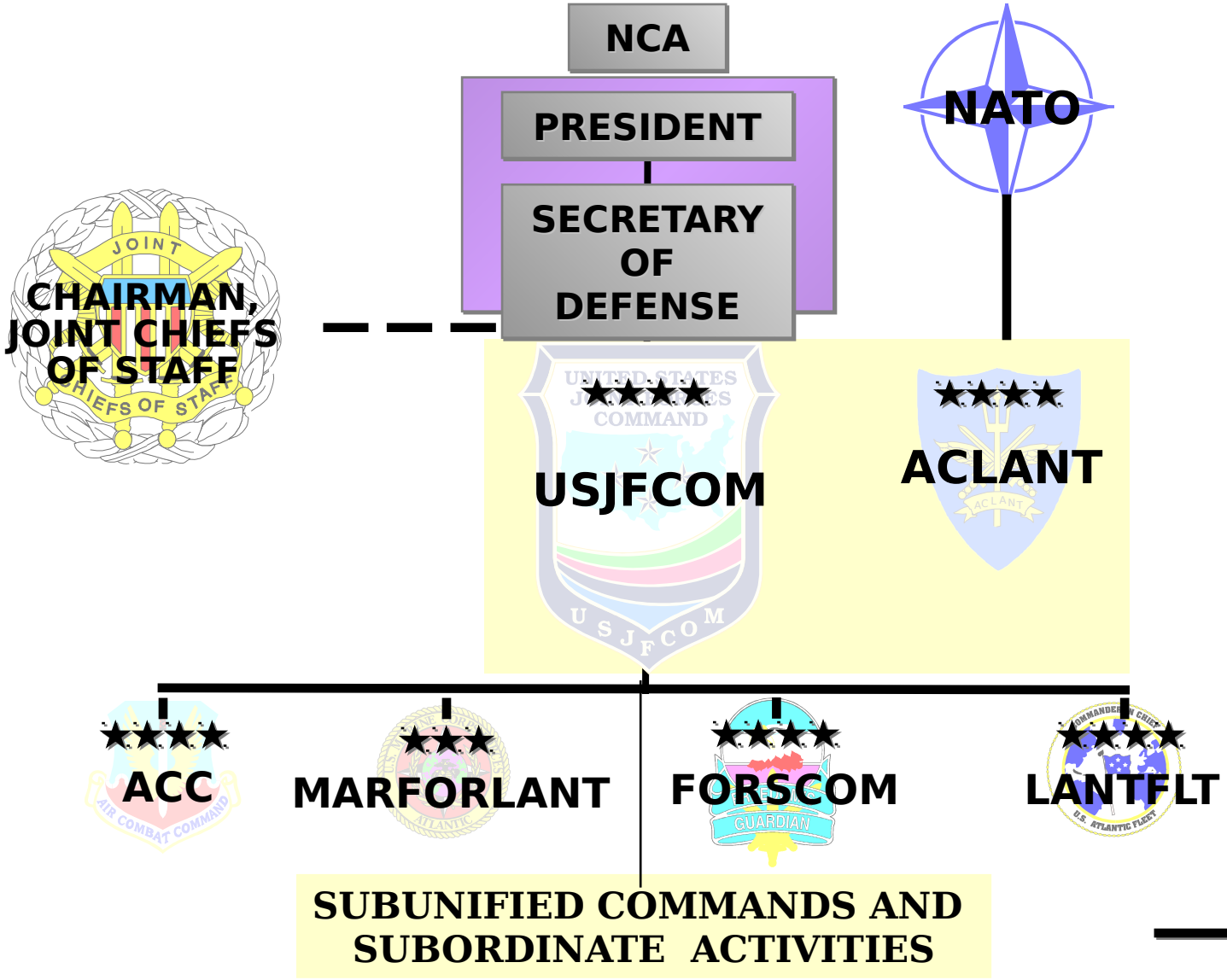
- Mission and Organization
- Geographic CINC Responsibilities
- Role in JLOTS Training
- Experimentation: JMLS

USJFCOM Mission

USJFCOM maximizes America's present and future military capabilities through joint training, total force integration, and providing ready CONUS-based forces to support other CINCs, the Atlantic Theater, and domestic requirements.

Chain of Command

JOINT MODULAR LIGHTER SYSTEM ACTD



Joint Forces Command Components

JOINT MODULAR LIGHTER SYSTEM ACTD

★★★★

LANTFLT

6 Battle Groups
5 Amphib Groups

108,000 Sailors

112,500 sailors (RC)

★★★★

ACC

17 F/B/Comp Wings

89,700 Airmen

61,500 Airmen (RC)

★★★

MARFORLANT

1 Division
1 Wing

40,750 Marines

41,000 Marines (RC)

★★★★

FORSCOM

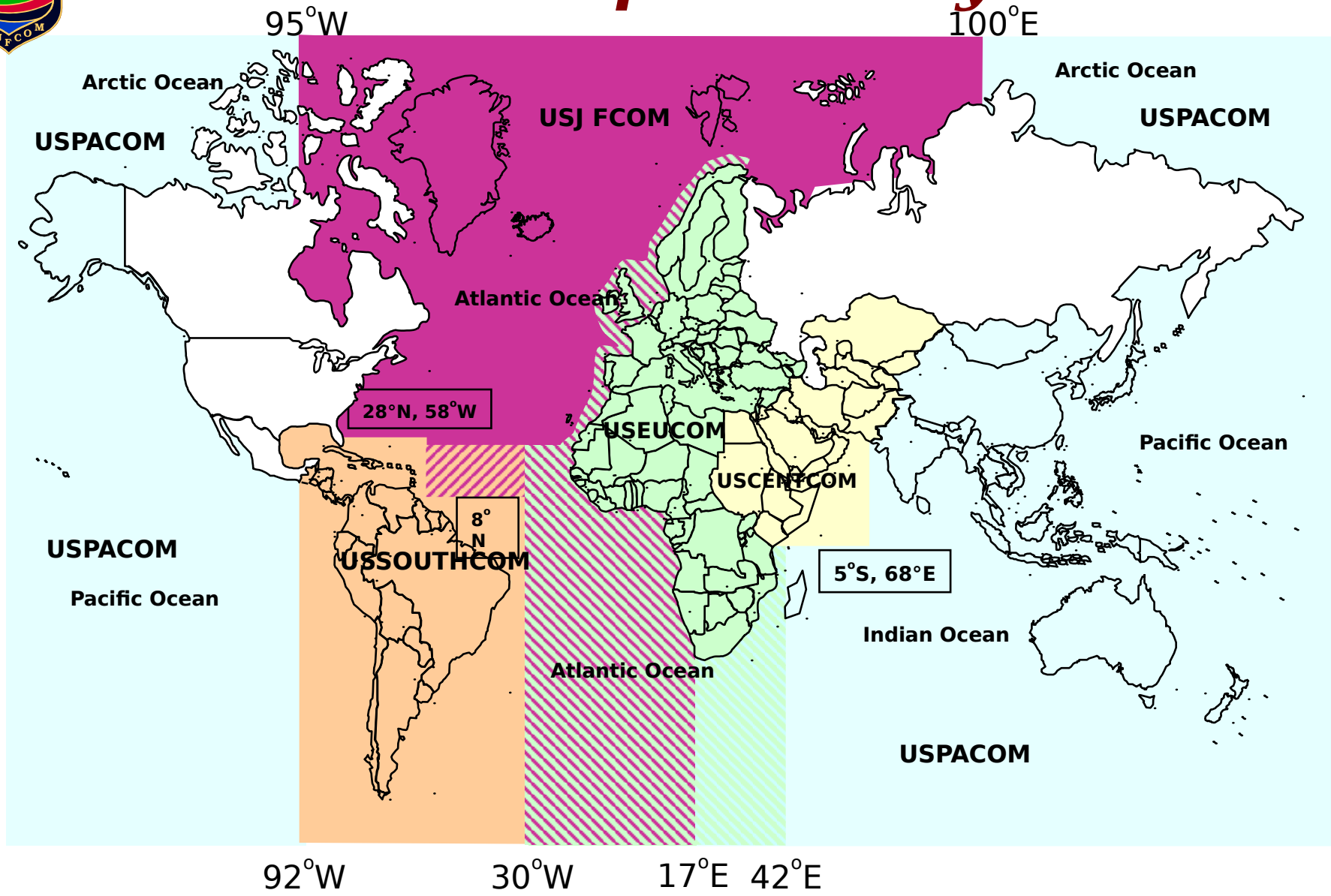
6 Divisions
6 Sep Brigades

198,000 Soldiers

563,000 Soldiers (RC)

Geographic Area of Responsibility

Command Presentation



JFCOM and JLOTS

JOINT MODULAR LIGHTER SYSTEM ACTD

- **JLOTS training as part of theater engagement strategy**
- **If CONUS based JLOTS is desired, it must be scheduled through established training and exercise venues**
- **USJFCOM is a supporting CINC for CONUS based JLOTS training**

- **Why JMLS ?**
- JMLS Players
- JMLS Component
- JMLS History
- JMLS Future

WHY JMLS?

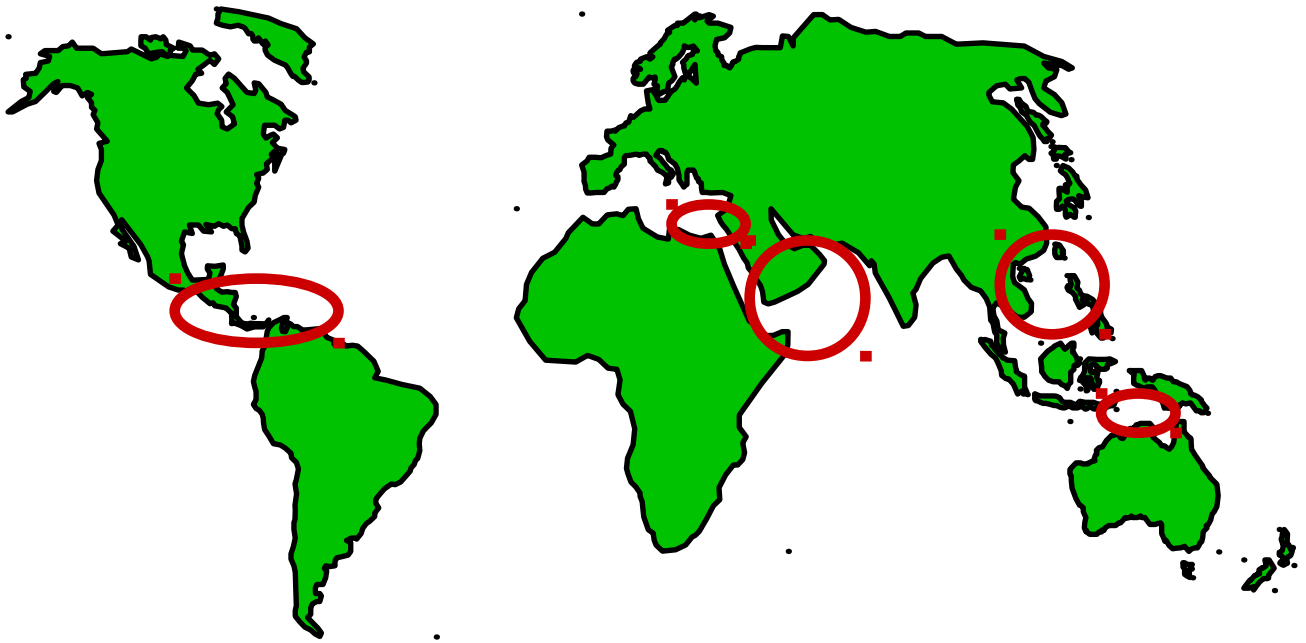
JOINT MODULAR LIGHTER SYSTEM ACTI

JMLS ACTD MISSIO

Demonstrate A Joint Interop
Causeway Lighter System Th
Be Safely Assembled And Op
In A Loaded Condition Throu
Sea State 3

WHY JMLS?

JOINT MODULAR LIGHTER SYSTEM ACT



- **Why JMLS?**
  - Defense Planning Guidance Requirement By FY 05.
  - Sea State 3 Is A Worldwide Problem.
  - Some CINC AOR's Have Sea State 3 Conditions 50% C
  - Current Lighterage Is Only Capable Through Sea State

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JMLS PLAYERS

JOINT MODULAR LIGHTER SYSTEM ACTI

- U.S. Joint Forces Command
- JCS
- HQDA DCSOPS
- Navy OP NAV Staff
- Naval Facilities Engineering Command
- Naval Facilities Engineering Service Center
- Naval Beach Group Two
- Amphibious Construction Battalion Two
- 7th Transportation Group
- Aberdeen Test Center
- Air Force Operational Test And Evaluation Ce
- Army Test And Evaluation Command
- Operational Test And Evaluation Force
- CDI Marine (Manufacturer)

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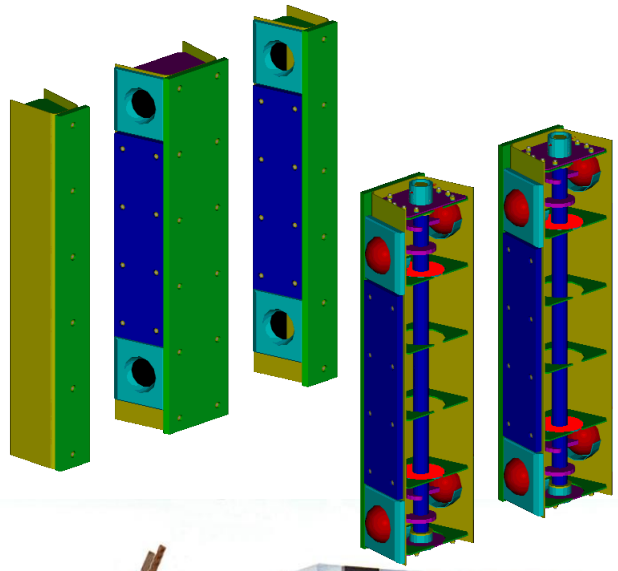
JMLS COMPONENTS

JOINT MODULAR LIGHTER SYSTEM ACTI

CONNECTOR IS FOUNDATION OF TECHNOLOGY

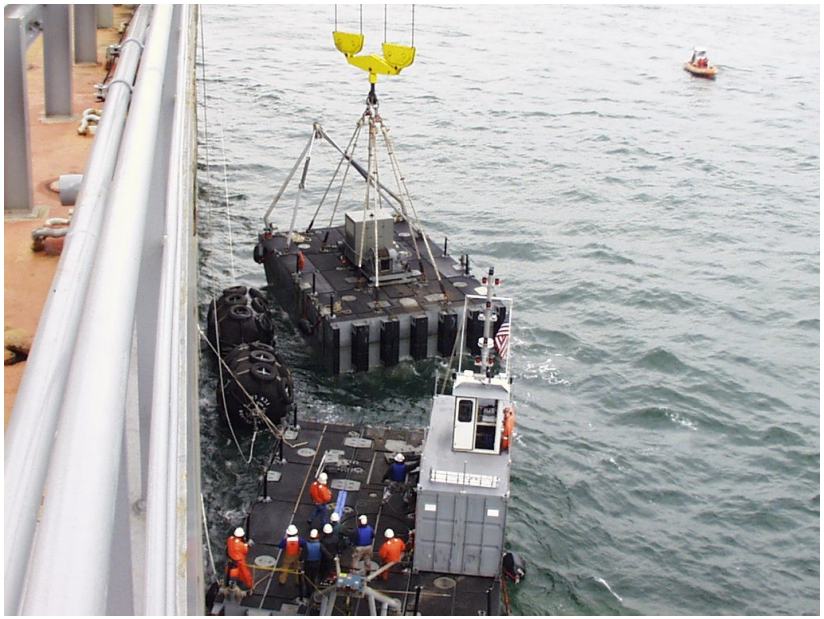


- The Connector, Cam Shaft Are Basis Of The Connector Technology
  - Connector = 3,100 lbs.
- **Module Size =** 8’ Wide X 8’ Deep X 4
- **Module Types:**
  - Power = 65,000 lbs
  - Flat-End = 37,000 lbs
  - Ramp-End = 30,000 lbs

- **Once Assembled, The JMLS Platform is**

JMLS COMPONENTS

JOINT MODULAR LIGHTER SYSTEM ACTI



WARPING

- **Formed By Assembling Two 1 X 3 Power Modules**
- Crew Shelter, Pilot House, & C
- Tugboat Duties & Salvage Ope
- Used To Assemble JMLS
- Thrusters = Highly Maneuvera
- Size = 24’ X 80’ Or 24’ X 120”
- Operate In Sea State 4

JMLS COMPONENTS

JOINT MODULAR LIGHTER SYSTEM ACTI

CAUSEWAY FERRY

- **Formed By Assembling:**
- **Two Or Three 1 X 3 Power M**
- **Ramp-End Modules**
- **Multiple Flat-End Modules**
- Crew Shelter & Pilot House
- Shuttles Vehicles & Cargo Between Ship And Shore
- Thrusters = Highly Maneuvera
- Size = Variable

JMLS COMPONENTS

JOINT MODULAR LIGHTER SYSTEM ACTI

FLOATING

- **Formed By Assembling:**
  - **Ramp-End Modules**
  - **Multiple Flat-End Modules**
- Powered To Shore By The Warping Tug
- Anchored To The Beach By A System Of Anchors &
- Causeway Ferry & Other Lighterage Discharge Ve
  Onto The Floating Causeway & Then Driven Asho
- Size = Variable

JMLS COMPONENTS

JOINT MODULAR LIGHTER SYSTEM ACTI

ROLL ON/ROLL OFF DISCHARGE FACILITY

- Formed By Assembli
  - Ramp-End Modules
  - Multiple Flat-End Mo
- Cargo Transfer Platfor
- Moored To Stern Or Si Of MPF/LMSR
- Powered Into Position The Warping Tug
- Provides For A True In-Stream Ro/Ro Capa
- Size = 80’ X 120’

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JMLS Oversight

JOINT MODULAR LIGHTER SYSTEM ACTD

- **JFCOM Recommended Position**
  - The Joint Modular Lighter System (JMLS) Is NOT I For A Joint Military Utility Assessment (JMUA)

- **Concerns**
  - System Has Operational Shortcomings
  - Army & Navy Now Advocating 24’ Wide Module
  - Lacking Key Sea State 3 Safety Releases
  - Test & Evaluation Not Complete

- **Oversight Results**
  - Do Not Conduct The JMUA
  - More Technical Testing Needed
    - Conduct T & E Through 9 MAR
  - Publish JMLS Summary Report/Lessons Learned

JMLS T & E

JOINT MODULAR LIGHTER SYSTEM ACTI

- **T & E Continues Through 9 MAR 01**
- **T & E Objectives**
  - Sea State 3
    - Overboarding
    - Assembly/Disassembly
    - RRDF
    - Ship Interface
      - Lummus
        - 11/12 JAN
        - Sea State 1
    - RRDF Cracks

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JMLS FUTURE

JOINT MODULAR LIGHTER SYSTEM ACTD

- **Army & Navy Exploring 24’ Design**
- **Program Office Established**
  - Naval Facilities Engineering Command
  - Incorporate JMLS ACTD Lessons Learned
    - Eliminate Weight/Trim/Draft Design Flaws
    - Connector Technology
  - Steel Or Composite Modules?
  - Better Propulsion System
  - Bigger, More Powerful Engines
  - Continue With T & E Through 2nd QTR FY 01
- **Publish JMLS Summary Report/Lessons Lear**

QUESTIONS?